

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/533,520  
Source: IFWP  
Date Processed by STIC: 7/5/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 07/05/2006

PATENT APPLICATION: US/10/533,520

TIME: 14:01:47

Input Set : F:\P1994R1.txt

Output Set: N:\CRF4\07052006\J533520.raw

3 <110> APPLICANT: GENENTECH, INC.  
 4 CLARK, HILARY  
 5 HUNTE, BRISDELL  
 6 JACKMAN, JANET  
 7 SCHOENFELD, JILL  
 8 WILLIAMS, P. MICKEY  
 9 WOOD, WILLIAM I.  
 10 WU, THOMAS D.  
 11 BODARY, SARAH  
 13 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE  
 14 RELATED DISEASES  
 16 <130> FILE REFERENCE: P1994R1 US  
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/533,520  
 C--> 19 <141> CURRENT FILING DATE: 2005-04-28  
 21 <150> PRIOR APPLICATION NUMBER: US 60/429,069  
 22 <151> PRIOR FILING DATE: 2002-11-26  
 24 <160> NUMBER OF SEQ ID NOS: 6621  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 568  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Homo sapien  
 31 <400> SEQUENCE: 1  
 32 gaaccgccat cttccagtaa ttcgccaaaa tgacgaacac aaagggaaaag 50  
 34 aggagaggca cccgatatat gttctctagg ctttttagaa aacatggagt 100  
 36 tgttcctttg gccacatata tgcgaatcta taagaaaggt gatattgtag 150  
 38 acatcaaggg aatgggtact gttcaaaaag gaatgcccc caagtgttac 200  
 40 catggcaaaa ctggaagagt ctacaatggt acccagcatg ctggtggcat 250  
 42 tgttgtaaac aaacaagtta agggcaagat tcttgccaag agaattaatg 300  
 44 tgcgtattga gcacattaag cactctaaga gccgagatag cttcctgaaa 350  
 46 cgtgtgaagg aaaatgatca gaaaaagaaa gaagccaaag agaaaggtag 400  
 48 ctgggttcaa ctaaagcgcc agcctgctcc acccagagaa gcacactttg 450  
 50 tgagaaccaa tgggaaggag cctgagctgc tggaacctat tccctatgaa 500  
 52 ttcattggcat aataggtgtt aaaaaaaaaa ataaaggacc tctgggctac 550  
 54 aaaaaaaaaa aaaaaaaaaa 568  
 56 <210> SEQ ID NO: 2  
 57 <211> LENGTH: 160  
 58 <212> TYPE: PRT  
 59 <213> ORGANISM: Homo sapien  
 61 <400> SEQUENCE: 2  
 62 Met Thr Asn Thr Lys Gly Lys Arg Arg Gly Thr Arg Tyr Met Phe  
 63 1 5 10 15  
 65 Ser Arg Pro Phe Arg Lys His Gly Val Val Pro Leu Ala Thr Tyr  
 66 20 25 30

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```

68 Met Arg Ile Tyr Lys Lys Gly Asp Ile Val Asp Ile Lys Gly Met
69           35           40           45
71 Gly Thr Val Gln Lys Gly Met Pro His Lys Cys Tyr His Gly Lys
72           50           55           60
74 Thr Gly Arg Val Tyr Asn Val Thr Gln His Ala Val Gly Ile Val
75           65           70           75
77 Val Asn Lys Gln Val Lys Gly Lys Ile Leu Ala Lys Arg Ile Asn
78           80           85           90
80 Val Arg Ile Glu His Ile Lys His Ser Lys Ser Arg Asp Ser Phe
81           95          100          105
83 Leu Lys Arg Val Lys Glu Asn Asp Gln Lys Lys Lys Glu Ala Lys
84          110          115          120
86 Glu Lys Gly Thr Trp Val Gln Leu Lys Arg Gln Pro Ala Pro Pro
87          125          130          135
89 Arg Glu Ala His Phe Val Arg Thr Asn Gly Lys Glu Pro Glu Leu
90          140          145          150
92 Leu Glu Pro Ile Pro Tyr Glu Phe Met Ala
93          155          160

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95 &lt;210&gt; SEQ ID NO: 3

96 &lt;211&gt; LENGTH: 2789

97 &lt;212&gt; TYPE: DNA

98 &lt;213&gt; ORGANISM: Homo sapien

100 &lt;400&gt; SEQUENCE: 3

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101 ggtgggagggg gggaggaggc ggccctagcg ccattttgtg ggagcgaagc 50
103 ggtgggctggg ctgcgcttgg gtccgctcgt gcttcggtgt ccctgtcggg 100
105 cttcccagca gcgccctagc gggaaaagta aaagatgtct gaatatattc 150
107 gggtaaccga agatgagaac gatgagccca ttgaaatacc atcggaagac 200
109 gatgggacgg tgctgtcttc cagggttaca gccagtttc caggggctgt 250
111 tgggcttcgc tacaggaatc cagtgtctca gtgtatgaga ggtgtccggc 300
113 tggtagaagg aattctgcat gcccagatg ctggctgggg aaatctggtg 350
115 tatgttgtca actatccaaa agataacaaa agaaaaatgg atgagacaga 400
117 tgcttcatca gcagtgaag tgaaaagagc agtccagaaa acatccgatt 450
119 taatagtgtt ggggtctcca tggaaaacaa ccgaacagga cctgaaagag 500
121 tatttttagta cttttggaga agttcttatg gtgcaggtca agaaagatct 550
123 taagactggt cattcaaagg ggtttggctt tgttcgtttt acggaatatg 600
125 aaacacaagt gaaagtaatg tcacagcgac atatgataga tggacgatgg 650
127 tgtgactgca aacttcctaa ttctaagcaa agccaagatg agcctttgag 700
129 aagcagaaaa gtgtttgttg ggcgctgtac agaggacatg actgaggatg 750
131 agctgcggga gttcttctct cagtacgggg atgtgatgga tgtcttcatt 800
133 cccaagccat tcagggcctt tgcctttgtt acatttgcag atgatcagat 850
135 tgcgcagttc ctttgtggag aggacttgat cattaaagga atcagcgttc 900
137 atatatccaa tgccgaacct aagcacata gcaatagaca gttagaaaga 950
139 agtgaagat ttggtggtaa tccagggtggc tttgggaatc aggggtggatt 1000
141 tggtaatagc agaggggggt gagctggttt gggaaacaat caaggtagta 1050
143 atatgggtgg tgggatgaac tttggtgcgt tcagcattaa tccagccatg 1100
145 atggctgccg cccaggcagc actacagagc agttggggta tgatgggcat 1150
147 gttagccagc cagcagaacc agtcaggccc atcgggtaat aacaaaaacc 1200
149 aaggcaacat gcagagggag ccaaaccagg ccttcggttc tggaaataac 1250
151 tcttatagtg gctctaattc tgggtgcagc attggttggg gatcagcatc 1300

```

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Input Set : F:\P1994R1.txt

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```

153 caatgcaggg tggggcagtg gttttaatgg aggcctttggc tcaagcatgg 1350
155 attctaagtc ttctggctgg ggaatgtaga cagtgggggtt gtgggttggtt 1400
157 ggtatagaat ggtgggaatt caaatTTTTt taaactcatg gtaagtatat 1450
159 tgtaaaatac atatgtacta agaattttca aaattgggtt gttcagtggtg 1500
161 gagtatattc agcagtatTT ttgacatttt tcttttagaaa aaggaagagc 1550
163 taaaggaatt ttataagttt tgttacatga aagggttgaat tattgagtggtg 1600
165 ttgaaagtga actgctgttt gcctgattgg taaaccaaca cactacaatt 1650
167 gatatacaaaa ggttttctct gtaatatTTT atccctggac ttgtcaagtg 1700
169 aattcttttg atgttcaaaa cggaaacccat tgattagaac tacattcttt 1750
171 accccttggt ttaatttgaa cccaccata tggatttttt tccttaagaa 1800
173 aatctctctt taggagatca tgggtgtcaca gtggttggtt cttttgtttt 1850
175 gtttttttaac acttgtctcc cctcatcac aaaagtacaa tatgaagcct 1900
177 tcattttaatc tctgcagttc atctcatttc aaatgtttat ggaagaagca 1950
179 cttcattgaa agtagtgctg taaatattct gccataggaa tactgtctac 2000
181 atgctttctc attcaagaat tcgtcatcac gcacacagc ccgcgtcttt 2050
183 gacggtgggt gtcccatTTT tatccgctac tctttatttc atggagtcgt 2100
185 atcaacgcta tgaacgcaag gctgtgatag ggaaccagaa ggctgtctga 2150
187 acttttgaaa ccttgtgtgg gattgatggg ggtgccgagg catgaaaggc 2200
189 tagtatgagc gagaaaagga gagagcgcgt gcagagactt ggtggtgcat 2250
191 aatggatatt ttttaacttg gcgagatgtg tctctcaatc ctgtggcttt 2300
193 ggtgagagag tgtgcagaga gcaatgatag caaataatgt acgaatgttt 2350
195 tttgcattca aaggacatcc acatctgttg gaagactttt aagtgaagttt 2400
197 ttgttcttag ataaccaca ttagatgaat gtgttaagtg aaatgatact 2450
199 tgtactcccc ctaccctttt gtcaactgct gtgaatgctg tatggtgtgt 2500
201 gttctcttct gttactgata tgtaagtgtg gcaatgtgaa ctgaagctga 2550
203 tgggctgaga acatggactg agcttgtggg gtgctttgca ggaggacttg 2600
205 aagcagagtt caccagtga ctcaggtgtc tcaaagaagg gtggaagttc 2650
207 taatgtctgt tagctacca taagaatgct gtttgctgca gttctgtgtc 2700
209 ctgtgcttgg atgcttttta taagagttgt cattgttga aattcttaaa 2750
211 taaaactgat ttaaataata aaaaaaaaaa aaaaaaaaaa 2789

```

213 &lt;210&gt; SEQ ID NO: 4

214 &lt;211&gt; LENGTH: 414

215 &lt;212&gt; TYPE: PRT

216 &lt;213&gt; ORGANISM: Homo sapien

218 &lt;400&gt; SEQUENCE: 4

```

219 Met Ser Glu Tyr Ile Arg Val Thr Glu Asp Glu Asn Asp Glu Pro
220   1           5           10           15
222 Ile Glu Ile Pro Ser Glu Asp Asp Gly Thr Val Leu Leu Ser Thr
223           20           25           30
225 Val Thr Ala Gln Phe Pro Gly Ala Cys Gly Leu Arg Tyr Arg Asn
226           35           40           45
228 Pro Val Ser Gln Cys Met Arg Gly Val Arg Leu Val Glu Gly Ile
229           50           55           60
231 Leu His Ala Pro Asp Ala Gly Trp Gly Asn Leu Val Tyr Val Val
232           65           70           75
234 Asn Tyr Pro Lys Asp Asn Lys Arg Lys Met Asp Glu Thr Asp Ala
235           80           85           90
237 Ser Ser Ala Val Lys Val Lys Arg Ala Val Gln Lys Thr Ser Asp
238           95          100          105

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Input Set : F:\P1994R1.txt

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```

240 Leu Ile Val Leu Gly Leu Pro Trp Lys Thr Thr Glu Gln Asp Leu
241           110           115           120
243 Lys Glu Tyr Phe Ser Thr Phe Gly Glu Val Leu Met Val Gln Val
244           125           130           135
246 Lys Lys Asp Leu Lys Thr Gly His Ser Lys Gly Phe Gly Phe Val
247           140           145           150
249 Arg Phe Thr Glu Tyr Glu Thr Gln Val Lys Val Met Ser Gln Arg
250           155           160           165
252 His Met Ile Asp Gly Arg Trp Cys Asp Cys Lys Leu Pro Asn Ser
253           170           175           180
255 Lys Gln Ser Gln Asp Glu Pro Leu Arg Ser Arg Lys Val Phe Val
256           185           190           195
258 Gly Arg Cys Thr Glu Asp Met Thr Glu Asp Glu Leu Arg Glu Phe
259           200           205           210
261 Phe Ser Gln Tyr Gly Asp Val Met Asp Val Phe Ile Pro Lys Pro
262           215           220           225
264 Phe Arg Ala Phe Ala Phe Val Thr Phe Ala Asp Asp Gln Ile Ala
265           230           235           240
267 Gln Ser Leu Cys Gly Glu Asp Leu Ile Ile Lys Gly Ile Ser Val
268           245           250           255
270 His Ile Ser Asn Ala Glu Pro Lys His Asn Ser Asn Arg Gln Leu
271           260           265           270
273 Glu Arg Ser Gly Arg Phe Gly Gly Asn Pro Gly Gly Phe Gly Asn
274           275           280           285
276 Gln Gly Gly Phe Gly Asn Ser Arg Gly Gly Gly Ala Gly Leu Gly
277           290           295           300
279 Asn Asn Gln Gly Ser Asn Met Gly Gly Gly Met Asn Phe Gly Ala
280           305           310           315
282 Phe Ser Ile Asn Pro Ala Met Met Ala Ala Ala Gln Ala Ala Leu
283           320           325           330
285 Gln Ser Ser Trp Gly Met Met Gly Met Leu Ala Ser Gln Gln Asn
286           335           340           345
288 Gln Ser Gly Pro Ser Gly Asn Asn Gln Asn Gln Gly Asn Met Gln
289           350           355           360
291 Arg Glu Pro Asn Gln Ala Phe Gly Ser Gly Asn Asn Ser Tyr Ser
292           365           370           375
294 Gly Ser Asn Ser Gly Ala Ala Ile Gly Trp Gly Ser Ala Ser Asn
295           380           385           390
297 Ala Gly Ser Gly Ser Gly Phe Asn Gly Gly Phe Gly Ser Ser Met
298           395           400           405
300 Asp Ser Lys Ser Ser Gly Trp Gly Met
301           410
303 <210> SEQ ID NO: 5
304 <211> LENGTH: 725
305 <212> TYPE: DNA
306 <213> ORGANISM: Homo sapien
308 <400> SEQUENCE: 5
309 ggcggcgcggt ggtctacgcc gactgacaga gacgctcagg ctgtgttctc 50
311 aggatgaccg agtgggagac agcagcacca gcggtggcag agaccccaga 100

```

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TIME: 14:01:47

Input Set : F:\P1994R1.txt

Output Set: N:\CRF4\07052006\J533520.raw

```

313 catcaagctc tttgggaagt ggagcaccga tgatgtgcag atcaatgaca 150
315 tttccctgca ggattacatt gcagtgaagg agaagtatgc caagtacctg 200
317 cctcacagtg cagggcggtg tgccgccaaa cgcttcgcga aagctcagtg 250
319 tcccattgtg gagcgccctca ctaactccat gatgatgcac ggccgcaaca 300
321 acggcaagaa gctcatgact gtgcgcatcg tcaagcatgc cttcgagatc 350
323 atacacctgc tcacaggcga gaacctctg caggtcctgg tgaacgccat 400
325 catcaacagt ggtccccggg aggactccac acgcattggg cgcgccggga 450
327 ctgtgagacg acaggctgtg gatgtgtccc ccctgcgccg tgtgaaccag 500
329 gccatctggc tgctgtgcac aggcgctcgt gaggctgcct tccggaacat 550
331 taagaccatt gctgagtgcc tggcagatga gctcatcaat gctgccaagg 600
333 gctcctcgaa ctcctatgcc attaagaaga aggacgagct ggagcgtgtg 650
335 gccaaagtcca accgctgatt ttcccagctg ctgcccaata aacctgtctg 700
337 ccctttgggg cagtcccagc caaaa 725
339 <210> SEQ ID NO: 6
340 <211> LENGTH: 204
341 <212> TYPE: PRT
342 <213> ORGANISM: Homo sapien
344 <400> SEQUENCE: 6
345 Met Thr Glu Trp Glu Thr Ala Ala Pro Ala Val Ala Glu Thr Pro
346   1           5           10          15
348 Asp Ile Lys Leu Phe Gly Lys Trp Ser Thr Asp Asp Val Gln Ile
349           20           25           30
351 Asn Asp Ile Ser Leu Gln Asp Tyr Ile Ala Val Lys Glu Lys Tyr
352           35           40           45
354 Ala Lys Tyr Leu Pro His Ser Ala Gly Arg Tyr Ala Ala Lys Arg
355           50           55           60
357 Phe Arg Lys Ala Gln Cys Pro Ile Val Glu Arg Leu Thr Asn Ser
358           65           70           75
360 Met Met Met His Gly Arg Asn Asn Gly Lys Lys Leu Met Thr Val
361           80           85           90
363 Arg Ile Val Lys His Ala Phe Glu Ile Ile His Leu Leu Thr Gly
364           95          100          105
366 Glu Asn Pro Leu Gln Val Leu Val Asn Ala Ile Ile Asn Ser Gly
367          110          115          120
369 Pro Arg Glu Asp Ser Thr Arg Ile Gly Arg Ala Gly Thr Val Arg
370          125          130          135
372 Arg Gln Ala Val Asp Val Ser Pro Leu Arg Arg Val Asn Gln Ala
373          140          145          150
375 Ile Trp Leu Leu Cys Thr Gly Ala Arg Glu Ala Ala Phe Arg Asn
376          155          160          165
378 Ile Lys Thr Ile Ala Glu Cys Leu Ala Asp Glu Leu Ile Asn Ala
379          170          175          180
381 Ala Lys Gly Ser Ser Asn Ser Tyr Ala Ile Lys Lys Lys Asp Glu
382          185          190          195
384 Leu Glu Arg Val Ala Lys Ser Asn Arg
385          200
387 <210> SEQ ID NO: 7
388 <211> LENGTH: 513
389 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/533,520

DATE: 07/05/2006  
TIME: 14:01:48

Input Set : F:\P1994R1.txt  
Output Set: N:\CRF4\07052006\J533520.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:79; N Pos. 7758,7759,7760,7761,7762,7763,7764,7765,7766,7767,7768,7769  
Seq#:79; N Pos. 7770,7771,7772,7773,7774,7775,7776  
Seq#:81; N Pos. 33,34,136,154,317  
Seq#:106; N Pos. 541  
Seq#:213; N Pos. 1986  
Seq#:275; Xaa Pos. 60  
Seq#:305; N Pos. 26,68,80,107,1762  
Seq#:329; N Pos. 1205  
Seq#:355; Xaa Pos. 13  
Seq#:384; N Pos. 23,27,80,120  
Seq#:417; N Pos. 95,99,108  
Seq#:437; N Pos. 515,521,522,523,524,525,526,527,528,529,530,531,532,533  
Seq#:437; N Pos. 534,535,536,537,538,539,540,541,542,543,544,545,546,547  
Seq#:437; N Pos. 548,549,550,551,552,553  
Seq#:438; Xaa Pos. 61,63,64,65,66,67,68,69,70,71,72,73,74  
Seq#:583; N Pos. 22  
Seq#:593; N Pos. 4356,4371,4405  
Seq#:669; N Pos. 169,170,171,172,173,174,175,176,177,178,179,180,181,182  
Seq#:669; N Pos. 183,184,185,186,187,188,189,190,191,192  
Seq#:765; N Pos. 2368  
Seq#:816; N Pos. 3317  
Seq#:834; N Pos. 4245,4246,4247,4248,4249,4250,4251,4252,4253,4254,4255  
Seq#:834; N Pos. 4256,4257,4258,4259,4260,4261,4262,4263,4264,4265,4266  
Seq#:834; N Pos. 4267,4268,4269,4270,4271,4272,4273,4274,4275,4276,4277  
Seq#:834; N Pos. 4278,4279  
Seq#:1061; N Pos. 1683  
Seq#:1077; N Pos. 1903  
Seq#:1104; N Pos. 11967,12008,12013  
Seq#:1182; N Pos. 844  
Seq#:1183; Xaa Pos. 160,253  
Seq#:1348; N Pos. 4178,4211,4223,4229,4255,4261,4293,4377,4380,4498,4526  
Seq#:1374; N Pos. 6154,6155,6156,6157,6158,6159,6160,6161,6162,6163,6164  
Seq#:1374; N Pos. 6165,6166,6167,6168,6169,6170,6171,6172,6173,6174,6175  
Seq#:1374; N Pos. 6176,6177,6178,6179,6180,6181,6182,6183,6184,6185,6186  
Seq#:1374; N Pos. 6187,6188,6189,6190,6191,6192,6193,6194,6195,6196,6197  
Seq#:1374; N Pos. 6198,6199,6200,6201,6202,6203,6204,6205,6206,6207,6208  
Seq#:1374; N Pos. 6209,6210,6211,6212,6213,6214,6215,6216  
Seq#:1484; N Pos. 813,817,822  
Seq#:1532; N Pos. 25  
Seq#:1952; N Pos. 1981  
Seq#:2047; Xaa Pos. 33  
Seq#:2111; N Pos. 3879,3880  
Seq#:2116; N Pos. 230,231,232,233,234,235,236,237,238,239,240,241,242,243  
Seq#:2116; N Pos. 244,245,246,247,248,249,250,251,252,253,254,255,256,257

**RAW SEQUENCE LISTING ERROR SUMMARY**  
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Input Set : F:\P1994R1.txt  
Output Set: N:\CRF4\07052006\J533520.raw

Seq#:2116; N Pos. 258,259,260,261,262,263,264,265,266,267,268,269,270,271  
Seq#:2116; N Pos. 272,273,274,275,276,277,278,279,280,281,282,283,284,285  
Seq#:2116; N Pos. 286,287,288,289,290,291,292,293,294,295,296,297,298,299  
Seq#:2116; N Pos. 300,301,302,303,304,305,306,307,308,309,310,311,312,313  
Seq#:2116; N Pos. 314,315,316,317,318,319,320,1706,1707,1708,1709,1710,1711  
Seq#:2116; N Pos. 1712,1713,1714,1715,1716,1717,1718,1719,1720,1721,1722  
Seq#:2116; N Pos. 1723,1724,1725,1726,1727,1728,1729,1730,1731,1732,1733

**VERIFICATION SUMMARY**

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Input Set : F:\P1994R1.txt

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L:18 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:8925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:7750  
L:9459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0  
M:341 Repeated in SeqNo=81  
L:11744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:500  
L:22903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:1950  
L:28888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:45  
L:32192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305 after pos.:0  
M:341 Repeated in SeqNo=305  
L:35087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329 after pos.:1200  
L:37126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:0  
L:40189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:384 after pos.:0  
M:341 Repeated in SeqNo=384  
L:43049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:50  
M:341 Repeated in SeqNo=417  
L:46005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:437 after pos.:500  
M:341 Repeated in SeqNo=437  
L:46136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:438 after pos.:60  
L:61642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:583 after pos.:0  
L:62686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:593 after pos.:4350  
M:341 Repeated in SeqNo=593  
L:71200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:669 after pos.:150  
L:82169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:765 after pos.:2350  
L:88775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:816 after pos.:3300  
L:91724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:834 after pos.:4200  
M:341 Repeated in SeqNo=834  
L:116252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1061 after pos.:1650  
L:117387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1077 after pos.:1900  
L:121798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1104 after pos.:11950  
M:341 Repeated in SeqNo=1104  
L:132779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1182 after pos.:800  
L:132927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1183 after pos.:150  
M:341 Repeated in SeqNo=1183  
L:149566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1348 after pos.:4150  
M:341 Repeated in SeqNo=1348  
L:152975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1374 after pos.:6150  
M:341 Repeated in SeqNo=1374  
L:168013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1484 after pos.:800  
L:173134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1532 after pos.:0  
L:217533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1952 after pos.:1950  
L:233538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2047 after pos.:30  
L:241153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2111 after pos.:3850  
L:241632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2116 after pos.:200  
M:341 Repeated in SeqNo=2116  
L:241885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2117 after pos.:75  
M:341 Repeated in SeqNo=2117  
L:244613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2144 after pos.:700

**VERIFICATION SUMMARY**

DATE: 07/05/2006

PATENT APPLICATION: US/10/533,520

TIME: 14:01:48

Input Set : F:\P1994R1.txt

Output Set: N:\CRF4\07052006\J533520.raw

L:251331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2203 after pos.:2500  
L:251549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2205 after pos.:1950  
L:253301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2221 after pos.:3250  
L:258244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2272 after pos.:1900